

**Abstract:**

**Method for the production of  $\text{HSiCl}_3$  by catalytic hydrodehalogenation of  $\text{SiCl}_4$**

- 5 The invention relates to a process for the catalytic hydrodehalogenation of  $\text{SiCl}_4$  to form  $\text{HSiCl}_3$ , which comprises bringing a gaseous feed mixture comprising hydrogen and silicon tetrachloride into direct contact with at least one heating element of a resistance heating device, with the heating element being composed of a metal or a metal alloy and being heated to carry out the reaction.